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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/585,145	05/07/2007	Aruong Juang	003D.0104.U1(US)	9936
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HARRINGTON & SMITH, PC 4 RESEARCH DRIVE SHELTON, CT 06484-6212			EXAMINER VU, HIEN D	
			ART UNIT 2833	PAPER NUMBER
			MAIL DATE 01/15/2008	DELIVERY MODE. PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/585,145	Applicant(s) JUANG, ARUONG	
	Examiner Hien D. Vu	Art Unit 2833	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-15 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|--|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date ____ | 6) <input type="checkbox"/> Other: ____ |

DETAILED ACTION

1. Claims 1-15 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

2. The claims are generally narrative and indefinite, failing to conform with current U.S. practice. They appear to be a literal translation into English from a foreign document and are replete with grammatical and idiomatic errors. For example, in claim 1, line 4, "a push-push ejecting mechanism", lines 7-9, "said guiding section ... an annular direction", lines 13-15, "said rotator being ... engagement part", lines 17-23, "wherein the ejecting plate ... card-inserting position"; claims 3, 5, 10 and 13 features; claim 11, lines 3-5, "said guiding groove ... adjacent former ones"; and claim 12, lines 2-4, "the rotator is ... said groove tops" are all unclear as to what they are being claimed.

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Uchikawa (6609918).

As to claim 1, insofar as the claims can be understood, Uchikawa, Figs. 1-15B show a module card ejecting mechanism comprising: an ejecting plate 22 coupled to a module card connector assembly and slidable along a card-moving direction of the module card connector assembly, a push-push ejecting mechanism coupled to the

module card connector assembly comprising: a housing 40 having an inner wall defining a channel, said channel including a guiding section 41-43 surrounding the inner wall, said guiding section having a push-out engagement part and a push-in engagement part which are cross-configured along an annular direction, a pushing rod 60 axially movable in the channel, said pushing rod including a free end and a pilot flange 61 for slidable but non-rotatable engagement with the guiding section, a rotator 30 axially movable in the channel, said rotator being configured in a way that it is cyclically, alternatively engaged with the cross-configured push-out engagement part and push-in engagement part; a spring elastically urging against the rotator, the ejecting plate is mechanically coupled to the pushing rod of the push-push ejecting mechanism. To form a repeated pushing force exerted on the ejecting plate for allowing the rotator to alternatively slide to the push-out engagement part or the push-in engagement part under the guidance of the pilot flange of the pushing rod, thereby causing said rotator to rotate to a first rotating position or a second rotating position would have been obvious of choice in order to obtain the predictable results of the rod.

As to claim 2, Uchikawa shows the push-out engagement part includes a plurality of annularly-disposed elongated slots (not labeled).

As to claim 3, Uchikawa shows each elongated slot is installed with a stopping wall (not labeled).

As to claim 4, Uchikawa shows the push-in engagement part is a plurality of annularly-disposed short slots (not labeled).

As to claim 5, Uchikawa shows an annularly configured guiding means is provided between the cross-configured push-out engagement part and push-in engagement part.

As to claim 6, Uchikawa shows the guiding means includes a plurality of guiding vanes 42 configured along an annular direction.

As to claim 7, Uchikawa shows each guiding vane is formed with an inclined guiding surface (not labeled).

As to claim 8, Uchikawa shows the rotator includes a plurality of annularly-disposed ribs 33.

As to claim 9, Uchikawa shows the housing includes a stop shoulder (not labeled).

As to claim 10, Uchikawa shows the stop shoulder is shaped into a tapering wall and the free end of the pushing rod is shaped into a complementary widening rod fitted with the tapering wall.

As to claim 11, Uchikawa shows the pilot flange includes a plurality of generally V-shaped 62, annularly-disposed guiding grooves and a plurality of annually-disposed groove tops, said guiding grooves and said groove tops are cross-arranged such that each of the latter ones is positioned between two of adjacent former ones.

As to claim 12, Uchikawa shows the rotator includes a plurality of annularly-arranged oblique surfaces (not labeled), such that when the rotator is located at

the first rotating position or at the second rotating position, each oblique surface docks on one of said groove tops.

As to claim 13, Uchikawa shows the push-out engagement part includes a plurality of annularly-disposed elongated slots (not labeled), and the rotator is formed with a plurality of ribs each of which is slidable in the elongated slots and formed with an oblique surface.

As to claim 14, to form the end of Uchikawa's connector housing with an end cap to obtain the predictable results would have been obvious of modification. It is noted that element 63 could read as the recited cap.

As to claim 15 Uchikawa shows a card slot (not labeled) and a head end (not labeled), the head end is provided with one or a pair of module card ejecting mechanisms.

5. Oguchi et al, Kajiura, Harasawa et al, Dong, Hara et al, and Yeh are cited for disclosure of card connectors having an ejecting mechanism.

6. Any inquiry concerning this communication should be directed to Hien D.

Vu at telephone number 571-272-2016.

1/6/07



1/6/07
COMMUNICATIONS SECTION